

•	receiving Office use only
	International Application N .
	International Filing Date
	Name of receiving Office and "PCT International Application"
	Name of receiving Amplicant's or agent's file reference 2026-4303PC

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102	International Application N .	
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REQUEST	International Filing Date	
to an execute that the present		d "PCT International Application"
The undersigned requests that the present international application be processed international application Treaty.	Name of receiving Office a	
international application be procession according to the Patent Cooperation Treaty.	are agent's file t	eference once-4303PC
according to	(if desired) (12 characters max	mum)
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No. 1 TITLE OF INVENTION	•	
INO. I TITLE OF HET ZENOMES AND USES	THEREOF	
* No. 1 TITLE OF INVENTION. HCV/BVDV CHIMERIC GENOMES AND USES		
		i - wenter
ame and address: (Family name followed by given name, include postal code and name include postal code and name include postal state (that is,	for a legal entity, full official	This person is also inventor.
ame and address: (Family name followed by go	country) of residence if no State	
esignation discovered in this Box is the app	_	Telephone No.
ddress indicated in this bolow.) of residence is indicated below.)	ates of America	(301) 496-7056
The Government of the United Stas represented by the Secretary as represented by the Secretary Health and Human Services Health and Human Services Office of Technology Transfer	, Depar chief	Facsimile No.
as lettand Human Services	•	(301) 402-0220
as represent Human Services Health and Human Services Office of Technology Transfer Office of Technology Health National Institutes of Health	325	Teleprinter No.
National Poulevard, Survey		
6011 Executive Boulevand 20852 Rockville, Maryland 20852		of residence: US
115	State (that is, country)	OI NOTE:
State (that is, country) of nationality: US		the United States the States indicated in the Supplemental Box
is a signated [7] &	Il designated States except he United States of America	of America only the supplement
This person is applicant all designated X to	he United States	
for the purposes of.	R (FURTHER) INVERTOR(S)	
Box No. III FURTHER APPLICANT(S) AND/O Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address: (Family name followed by given in Name and address in (Family name followed by given in Name and address in (Family name followed by given in Name and	me: for a legal entity, full official	This person is:
Name and address: (Family name followed by given no designation. The address must include postal code and address indicated in this Box is the applicant's State (the address indicated is indicated below.)	name of country. The core if no State	applicant only
	ut 25, 00000	· ·
address indicated in inis book.) of residence is indicated below.)		X applicant and inventor
		1 1 ===4
NAM, Jae-Hwan 1001 Rockville Pike, #216		inventor only (If this check-box is marked, do not fill in below.)
Rockville, Maryland 20852		IS Markeu, 20
Rockville, Marjan		
US	State (that is, coun	ury) of residence:
of nationality:	State (and	a indicated in
State (that is, country) of nationality: KR		
all designated	all designated States except the United States of America	X of America only the Supplement
This person is applicant States	the United States	cet.
This person is applicant Sutes for the purposes of: X Further applicants and/or (further) inventors	are indicated on a conuntation of	PREPONDENCE
X Further applicants and/or (further) inventors Box No. IV AGENT OR COMMON REPRI	CONTATIVE: OR ADDRESS	FOR CORRESPONDENCE
OR COMMON REPRI	SENTATIVE	common representative
Box No. IV AGENT OR COMMITTEE The person identified below is hereby/has been ap The person identified below is hereby/has been ap The person identified below is hereby/has been ap	pointed to act on behalf	
The person identified below is hereby/has been ap of the applicant(s) before the competent Internation	onal Authorities as.	official Telephone No.
of the application of the applic	en name; Jor and name of co	nuntry.) (212) 758-4800
Name and address: (Family name address must	menuae position and CHEN, H	aiyan
william S.; BORK, Ri	chard w. and one	Facsimile No.
Morgan & Finnegan, L.L.P.	·	(212) 751-6849
		Teleprinter No.
New York, New York 10154		Leispres
New YOLK, Me.		is ted and the
US.		mon representative is/has been appointed and the
Address for correspondence: Mark this space above is used instead to indicate a s	check-box where no agent or com	mon representative is/has been appointed and the dence should be sent. See Notes to the reques
Address for correspondence: Walk the	pecial address to which correspond	
space above is used instead to indicate a s Form PCT/RO/101 (first sheet) (July 1998; repri	int January 2000)	
- NOTION VIOLENCE		
Form PC1/RO/101		

Sheet N		2						Do
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Continuation f Box No. RTHER APPLICANT(S) AND/OR (FURTHER AVENTOR(S)					
If none of the following sub-boxes is used, this sheet should not be included in the request.					
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) BUKH, Jens 2018 Baltimore Road, #J42 Rockville, Maryland 20851 US	brv. The country of the				
State (that is, country) of nationality: DK State (that is, country) of residence: US					
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) EMERSON, Suzanne U. 4517 Everett Street Kensington, Maryland 20895 US	by. The country of the				
State (that is, country) of nationality: US	State (that is, country) of residence: US				
This person is applicant for the purposes of: all designated the United States all designated the United States	States except				
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) PURCELL, Robert H. 17517 White Ground Road Boyds, Maryland 20841 US	try. The country of the				
State (that is, country) of nationality: US	State (that is, country) of residence: US				
This person is applicant all designated for the purposes of:	States except the United States the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)					
State (that is, country) of nationality: State (that is, country) of residence:					
This person is applicant all designated lall designated States except the United States the States indicated in for the purposes of: This person is applicant all designated the United States except of America only the Supplemental Box					
Further applicants and/or (further) inventors are indicated on another continuation sheet.					

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

IX LC Saint Lucia

X LK Sri Lanka

KR Republic of Korea

Check-boxes reserved for designating States which have

☑ DZ People's Republic of Algeria

🖾 AG. Antigua .and. Barbuda

become party to the PCT after issuance of this sheet:

Sheet No. 4 Doc1 - No. 2026-4303PC

							
Box No. VI PRIOR Aims are indicated in the Supplemental Box							
Filing date Number f earlier application f earlier application			Where earlier application is:				
f earlier application (day/month/year)	r carner appin	eu n	national application: country	regional application:* regi nal Office	international application: receiving Office		
item (1) 04 June 1999	60/137,81	7	US				
(04.06.99) item (2)		_					
item (3)							
The receiving Office is req of the earlier application(s purposes of the present int	i) (only if the earli	er applu	cation was filed with the	Office which for the	(1)		
Where the earlier application is a Convention for the Protection of In	an ARIPO applicatio dustrial Property for	n, it is me which the	undatory to indicate in the Su at earlier application was file	upplemental Box at least one id (Rule 4.10(b)(ii)). See Suj	country party to the Paris		
	NAL SEARCHIN						
Choice of International Search (if two or more International Sea competent to carry out the interna- the Authority chosen; the two-letter	rching Authorities o ational search, indic	are sear	quest to use results of ear ch has been carried out by or c (day/month/year)	requested from the Internati	ional Searching Authority):		
ISA / EP	code may be ased).	Dat	c (aay.monin year)	Number	Country (or regional Office)		
Box No. VIII CHECK LIST	; LANGUAGE (OF FILE	NG				
This international application of the following number of sheet	s:		al application is accompar	nied by the item(s) marke	d below:		
request :	5 1.121 t		ation sheet signed power of attorney	(Unsigned)			
description (excluding sequence listing part)	-		eneral power of attorney;		<i>r</i> :		
claims :	· -	-	explaining lack of signatu		•		
abstract :	7		ocument(s) identified in B				
drawings :		•	n of international applicat	i '			
sequence listing part	7. 🗖 s		ndications concerning dep		other biological material		
of description :	46 I		e and/or amino acid seque Statement und		-		
Total number of sheets: 1	01 9. 🗆 o	ther (spe	scify):Standard ST	25; Transmittal	Letter		
Total number of sheets: 101 9. other (specify): Standard ST 25; Transmittal Letter Figure of the drawings which should accompany the abstract: Fig. 1 Language of filing of the international application: English							
Box No. IX SIGNATURE OF APPLICANT OR AGENT							
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).							
William S. Feiler Agent for Applicants							
Date of actual receipt of the international application:	purported	- rorre	ceiving Office use only =	<u> </u>	2. Drawings:		
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:					received:		
corrections under PCT Artic	4. Date of timely receipt of the required corrections under PCT Article 11(2):						
5. International Searching Auth (if two or more are competer	nority nt): ISA/			al of search copy delayed th fee is paid.			
Date of receipt of the record copy by the International Bureau use only							

If the suppremental Box is not used, this sheet should not be included in the request.

- 1. If, in any of the Boxes, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) If more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name feach such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI;
- (vii) if, in Box No. VI, the earlier application is an ARIPO application: in such case, write "Continuation of Box No. VI", specify the number of the item corresponding to that earlier application and indicate at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed.
- 2. If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.
- 3. If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerning non-prejudicial disclosures or exceptions to lack of novelty: in such case, write "Statement concerning non-prejudicial disclosures or exceptions to lack of novelty" and furnish that statement below.

Continuation of Box No. V - Designation of States

US United States of America - Continuation of US Provisional Application Serial No. 60/137,817, filed 04 June 1999 (04.06.99)

FEE CALCULATION SHEET

For receiving Office decomy	
nternational application No.	

Annex to the Request	International application No.					
Applicant's or agent's file reference 2026-4303PC	Date stamp of the receiving Office					
Applicant The Government of the United States of America as represented by the Secretary, Department of Health and Human Services, et al.						
CALCULATION OF PRESCRIBED FEES						
TRANSMITTAL FEE	\$ 240.00 T					
2. SEARCH FEE						
International search to be carried out by EP (If two or more International Searching Authorities are competent in relation application, indicate the name of the Authority which is chosen to carry out the in	n to the international					
3. INTERNATIONAL FEE	·					
Basic Fee The international application contains 101 sheets.						
first 30 sheets	b1					
remaining sheets x \$10.00 = \$ 710.00	b2					
Add amounts entered at b1 and b2 and enter total at B	1,137.00 B					
Designation Fees The international application contains 85 designations.						
0	736.00 D					
number of designation fees payable (maximum 8) x \$92.00 = \$ amount of designation fee	730.00					
Add amounts entered at B and Dand enter total at I \$1,873.00						
(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)						
4. FEE FOR PRIORITY DOCUMENT (if applicable)	\$ 15.00 P					
5. TOTAL FEES PAYABLE	\$3,118.00					
Add amounts entered at T, S, I and P, and enter total in the TOTAL b	ox TOTAL					
The designation fees are not paid at this time.						
MODE OF PAYMENT						
authorization to charge deposit account (see below)						
DEPOSIT ACCOUNT AUTHORIZATION (this mode of payment may not be available at all receiving Offices)						
The RO/ US is hereby authorized to charge the total fees indicated above to my deposit account.						
(this check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated ab ve to my deposit account.						
·	paration and transmittal of the priority document to the International					
13-4500 02 June 2000	William >- Tech					
Deposit Account No. Date (day/month/year)	Signature William S. Feiler					